

ABSTRACT OF THE DISCLOSURE

In a linear image sensor, a shutter structure includes:
a shutter gate electrode provided between photodiode arrays;
and a shutter drain provided below the shutter gate electrode.

- 5 With this construction, a layout area is reduced and the number of scanning operations performed in the auxiliary scanning direction necessary to obtain image data for one line is reduced. As a result, the capacity of a memory used is reduced and the influence of color drift is suppressed.